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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/603,030	06/24/2003	Rustin W. Allred	, TI-35877		
23494 7:	590 08/01/2006		EXAMINER		
	RUMENTS INCORPOR	MALZAHN, DAVID H			
P O BOX 6554 DALLAS, TX		ART UNIT	PAPER NUMBER		
,			2193	,	
			DATE MAIL ED: 08/01/2006	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

			Application No.		Applicant(s)				
Office Action Summary		10	0/603,030	ALLRE	ALLRED, RUSTIN W.				
		Ex	aminer	Art Ur	iit				
			vid H. Malzahn	2193					
Period fo	The MAILING DATE of this communic or Reply	cation appears	on the cover sheet w	ith the correspo	ondence ad	ldress			
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAnsions of time may be available under the provisions of SIX (6) MONTHS from the mailing date of this community of period for reply is specified above, the maximum state to reply within the set or extended period for reply very reply received by the Office later than three months afted patent term adjustment. See 37 CFR 1.704(b).	AILING DATE f 37 CFR 1.136(a). inication. utory period will app rill, by statute, caus	OF THIS COMMUNI In no event, however, may a ply and will expire SIX (6) MON e the application to become Al	CATION. reply be timely filed NTHS from the mailing BANDONED (35 U.S	g date of this co				
Status									
1)	Responsive to communication(s) filed	lon .							
· —	This action is FINAL . 2b)⊠ This action is non-final.								
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is								
<i>,</i> —	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.								
Dispositi	on of Claims		-						
4)⊠)⊠ Claim(s) <u>1-27</u> is/are pending in the application.								
	4a) Of the above claim(s) is/are withdrawn from consideration.								
	Claim(s) <u>1,4,5 and 10-19</u> is/are allowed.								
·	Claim(s) <u>2,3,6-9 and 20-27</u> is/are rejected.								
· · · · ·	_								
·	☐ Claim(s) is/are objected to: ☐ Claim(s) are subject to restriction and/or election requirement.								
	on Papers	•	F		,				
	·								
9) The specification is objected to by the Examiner.									
10)[2]	10) ☐ The drawing(s) filed on <u>24 June 2003</u> is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).									
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.									
		by the Exami	ner. Note the attached	a Office Action	or torni P i	O-152.			
	ınder 35 U.S.C. § 119								
	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).								
a)[a) ☐ All b) ☐ Some * c) ☐ None of:								
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
	application from the Internation		, ,,						
* See the attached detailed Office action for a list of the certified copies not received.									
Attach—-	Wo\		t						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date									
3) 🔲 Inform	nation Disclosure Statement(s) (PTO-1449 or Pr No(s)/Mail Date		5) D Notice of I	Notice of Informal Patent Application (PTO-152) Other:					

DETAILED ACTION

Claim Rejections - 35 USC § 101

1. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 20-27 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

The claims are directed to a method or process for converting a gain index signal representing a desired dB value from a set of dB values, i.e. a number, to a linear gain signal, i.e. another number, via a mathematical algorithm. The claims are not limited to a practical application of the mathematical algorithm because the result, i.e. the linear gain signal, is not a useful, concrete and tangible result. More specifically the result is not a tangible result because it is not a real-world result. Also, the claimed invention does not physically transform an article or physical object to a different state or thing because the transformation is merely a data transformation.

Claim Rejections - 35 USC § 112

2. Claims 2, 3, 6-9, 21 and 22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2 and 21 are mis-descriptive because they incorrectly call for each linear gain value to correspond to a single dB value, note that the number of dB values is greater than the

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number of linear gain values. In line 4 of claim 6 "linear gain signal" should be "gain index signal".

Allowable Subject Matter

- 3. Claims 1, 4, 5 and 10-19 are allowed.
- 4. Claims 2, 3 and 6-9 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David H. Malzahn whose telephone number is (571) 272-3727. The examiner can normally be reached on M-Th from 7:30 to 6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki, can be reached on 571-272-3719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 8\$6-217-9197 (toll-free).

Primary Examiner Art Unit 2193

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